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Serban et al.(10) **Pub. No.: US 2008/0202251 A1**(43) **Pub. Date: Aug. 28, 2008**(54) **CAPACITIVE PRESSURE SENSOR****Publication Classification**(75) Inventors: **Bogdan Serban**, Leudelange (LU);
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Hartford, CT 06103(57) **ABSTRACT**

A capacitive pressure sensor comprises a laminated arrangement with a first flexible, electrically insulating carrier film carrying a first capacitor electrode, a second flexible, electrically insulating carrier film carrying a second capacitor electrode and a flexible, electrically insulating spacer film sandwiched between the first and second carrier films. The spacer film has a through-hole or recess therein, with respect to which the first and second capacitor electrodes are arranged opposite one another, in such a way that the first and second electrodes are brought closer together by resilient bending of the first and/or second carrier film into the through-hole or recess under the action of a compressive force acting on the pressure sensor.

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